

SONAR SCANNER

Abstract

A pulse-echo sonar scanner for a mobile robot includes  
5 a transmitter which generates a pulse signal, an acoustic  
transducer which transmits and receives acoustic signals, a  
receiver, means for determining performance characteristics  
of the transducer for a given pulse, means for storing the  
performance characteristics, and means for determining  
10 threshold levels for an echo based on the stored  
performance characteristics.

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